

CERTIFICATE OF MAILING

I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service as First Class Mail, in an envelope addressed to the Mail Stop Missing Parts, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Date: February 24, 2004	Mevin P. Weldon
IN THE UNITED STATES PAT	ENT AND TRADEMARK OFFICE
In re: Application of:)
DEBANGSHU BANERJEE) Group Art Unit 1775
) Confirmation No. 2123
Serial No. 10/678,204)
) Examiner To be assigned
Filed: October 3, 2003)
)
For: CEMENTED CARBIDE BLANK SUIT	TABLE) Attorney Docket KG-2050
FOR ELECTRIC DISCHARGE)
MACHINING AND CEMENTED CA	RBIDE)
BODY MADE BY ELECTRIC DISCH	ARGE)
MACHINING)
	February 24, 2004

Mail Stop Missing Parts Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant(s) submit herewith forms PTO/SB08A and B listing patents, publications or other information, of which they are aware and that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose. Copies of the non-U.S. patent references are submitted herewith. The Information Disclosure Statement submitted herewith is being filed:

under 37 CFR 1.97(b); within three (3) months of the filing of a national application; within three (3) months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing date of a first Office Action on the merits; or before the mailing of a first office action after the filing of a request for continued examination under § 1.114, whichever event occurs last.
under 37 CFR 1.97(c); after three (3) months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR

1.491 in an international application; or after the mailing date of a first Office

either	n on the merits, whichever occurred last but before the mailing date of a Final Action under 37 CFR 1.113, or a Notice of Allowance under 37 1.311, whichever occurs first. Also submitted herewith is:
	a statement as specified in 37 CFR 1 .97(e); or
	the fee of \$180.00 set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c) to be paid as provided below.
Allow simult statem	37 CFR 1.97(d); after a Final Action under Section 1.113, or a Notice of rance under Section 1.311, whichever occurs first, but before, or raneously with, the payment of the issue fee. Submitted herewith is a nent as specified in 37 CFR 1.97(e) and the fee of \$180.00 set forth in 37 1.17(p) to be paid as provided below.
	STATEMENT UNDER 37 CFR 1.97(e)
	s a statement under the provisions of 37 CFR 1.97(e) in the above-fied application.
	Statement Under 37 CFR 1 .97(e)(1) - Each item of information contained in the accompanying information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the information disclosure statement.
	Statement Under 37 CFR 1 .97(e)(2) - No item of information contained in the accompanying information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned person, after making reasonable inquiry, no item of information contained in the accompanying information disclosure statement was known to any individual designated in 37 CFR 1 .56(c) more than three months prior to the filing of the information disclosure statement.
	PRIOR APPLICATIONS
	application relies, under 35 U.S.C. 120, on the earlier filing date of prior cation(s):
submi	e references listed on the attached form and not submitted herewith were itted to, and/or cited by, the Office in the prior application(s) identified and therefore, are not required to be provided in this application.

FEES

	A check in the amount of	is attached.
--	--------------------------	--------------

The Assistant Commissioner is hereby authorized to charge any fees that may be required by this submission and to credit Deposit Account No. 502832 any overpayment. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Kevin P. Weldon

Attorney for Applicant(s)

Reg. No. 47,307

Date: February 24, 2004

Kennametal Inc. P.O. Box 231 Latrobe, PA 15650 (724) 539-3848 Phone (724) 539-5903 Fax



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/678,204			
Filing Date	October 3, 2003			
First Named Inventor	Debangshu Banerjee			
Art Unit	1775			
Examiner Name				
Attorney Docket Number	KG-2050			

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	 	US- 3,379,503	04/23/1968	McKenna	
		^{US-} 3,746,456	07/17/1973	Hill	
		US- 4,308,059	12/29/1981	Rymas	
		^{US-} 4,574,011	03/04/1986	Bonjour et al.	
		^{US-} 4,834,963	05/30/1989	Terry et al.	,
	1	^{US-} 5,603,075	02/11/1997	Stoll et al.	
	<u> </u>	^{US-} 5,658,678	08/19/1997	Stoll et al.	
		^{US-} 5,802,955	09/08/1998	Stoll et al.	
		^{US-} 5,806,934	09/15/1998	Massa et al.	
_		^{US-} 6,024,776	02/15/2000	Heinrich et al.	
		^{US-} 6,173,798 B1	01/16/2001	Bryant et al.	
		^{US-} 6,372,012	04/16/2002	Majagi et al.	
		^{US-} 6,506,226 B1	01/14/2003	Chen et al.	
		^{US-} 6,514,456 B1	02/04/2003	Lackner et al.	
		^{US-} 6,521,353 B1	02/18/2003	Majagi et al.	
		^{US-} 6,537,343 B2	03/25/2003	Majagi et al.	
		^{US-} 6,554,548 B1	04/29/2003	Grab et al.	
		^{US-} 6,575,671 B1	06/10/2003	North et al.	
		^{US-} 6,612,787 B1	09/02/2003	North et al.	

Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	-6
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Ľ
		UK 1,082,568	09/06/6	7 Philips Ele	ctronic	<u> </u>
		UK 1 309 634	03/14/	73 JACKSON		-
						1
						┢
						╄

Examiner Signature	Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁸ Applicant is to place a check mark here if English language

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03) Approved for use through 07/31/2006. OMB 0651-0031

	, approved to: add among a trial among a contract of
	U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
nder the Panenwork Reduction Act of 1995, no persons are required to respond	to a collection of information unless it contains a valid OMB control number

				Complete if Known		
Substitute for form 1449/PTO				Application Number	10/678,204	
INF	ORMATION	DIS	CLOSURE	Filing Date	October 3, 2002	
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Debangshu Banerjee	
(Use as many sheets as necessary)				Art Unit	1775	
				Examiner Name		
Sheet	2	of	2	Attorney Docket Number	KG-2050	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SANTHANAM et al., "Cemented Carbides", Metals Handbook, Vol. 16, 9th Ed. (1989) pp. 71-89	
		LAMMLE et al., "Hardmetal in the Toolmaking Indusis a Question of Confidence", Plansee TIZIT AG A-6600 Reutte/Tirol Edition 4,(1/2000) pp.8	ry
-		Kennametal Lab Report R4977 Rev. #1 October 2003, (Plansee Grade CFH40S) (May 2002)	
		Kennametal Lab Report K4978 Rev. #1 October 2003, (Plansee Grade H40S) (May 2002)	
		·	

Examiner		Date	
Signature	·	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.